

PETRODIST® 100 S



www.pilodist.de

Tel: ++ 49 (0) 2225 955910

Fax: ++ 49 (0) 2225 9559111

e-mail : info@pilodist.de

PILODIST GmbH
Eichelnkampstraße 2
D-53340 Meckenheim
Sitz: Bonn

Eingetragen AG Bonn HRB 12941
Managing Director Rolf Jeub
USt.-ID.-Nr. DE 813 408 398

Sparkasse KölnBonn
Kto. 33302365
BLZ 37050198
IBAN DE 05 3705 0198 0033 3023 65
Swift-BIC: COLSDE33

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Crude oil distillation system for semi-automatic operation according to ASTM D-2892.

The system is designed for automatic operation of the different distillation stages at different pressure levels per ASTM, which are:

- Debutanization
- 1. run at atmospheric pressure
- 2. run at vacuum 100 Torr
- 3. run at vacuum 10 Torr
- 4. run at vacuum 2 Torr

Each one of the different distillation runs are performed automatically without any intervention from the operator. After each of the above mentioned runs, the receivers of the fraction collector have to be replaced by empty ones, the new parameters have to be entered to the laptop and the system has to be restarted.

The fraction changes resp. the receiver changes are automatically carried out according to pre-selected boiling temperature or when the receivers are filled up to avoid overfilling.

The vacuum-tight fraction collector contains 9 receivers. The receiver volume is related to the flask size. There are 9 receivers for every distillation stage, thus max. 36 fractions can be obtained with the usual 4 distillation stages.

The installation requires water, nitrogen, compressed air and electricity.

Technical Data:

Flask Size:	2, 4, 6, 10, 20, 50 L
Flask Charge:	1/3 up to 2/3 of flask volume
Operation Temperature:	Up to 350° C (660° F)
Operation Pressure:	Vacuum down to 1 Torr
Operation Range:	Up to 400° C AET (750° F)
Total Wattage :	4500 W (without options)
Max. Ambient Temperature:	25° C
Mains Supply:	3 x 208 -250 V, 50 Hz (60 Hz upon request)
Dimensions (w x h x d):	1.43 x 3.50 x 0.80 m

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laboratory & process technology

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